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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

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of

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**Complete If Known**

Application Number	10766,253
Filing Date	January 28, 2004
First Named Inventor	Clifford H. Ray, et al.
Group Art Unit	3663
Examiner Name	S. Hughes
Attorney Docket Number	021120.0040.000

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
/SH/		US-6,791,901	09-2004	Robertson, et al.	
		US- 6,657,921	12-2003	Ambs, Loran D.	
		US- 6,607,050	08-2003	He et al.	
		US- 4,462,094	07-1984	Bowden et al.	
		US- 2004/0073373	04-2004	Wilson, Colin A.	
		US- 4,666,338	05-19-1987	Schoepf, Victor L.	
		US-			
/SH/		US- 6,584,408	08-2003	Harmon et al.	
		US- 6,532,180	03-11-2003	Bachrach	
		US- 5,231,252	07-27-1993	Sansone	
		US- 6,366,537	04-2002	Sambuelli et al.	
		US- 4,300,220	11-1981	Goff et al.	
		US- 4,813,029	03-1989	Erich et al.	
		US- 5,214,614	05-1993	Baule, Heinrich	
		US- 4,422,164	12-1983	Bowden et al.	
		US- 6,307,808	10-2001	Schmidt, Lesley J.	
		US- 4,849,947	7-18-1989	Baule, et al.	
		US- 2001/0035311	11-1-2001	He et al.	
		US- 4,462,094	07-24-1984	Bowden et al.	
		US- 5,253,223	10-23-1993	Svenning	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	6
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
/SH/		WO 02/37140 A2	05-10-2002	Jones		

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/SH/		US-6,738,715	5-18-2004	Shatilo, et al.	
		US- 4,380,059	4-12-1983	Ruehle	
		US- 4,486,885	12-4-1984	Ruehle	
		US- 4,884,248	11-28-1989	Laster, et al.	
		US- 4,979,150	12-18-1990	Barr	
		US- 5,087,112	11-19-1991	Meek	
		US- 5,138,538	8-11-1992	Sperling	
		US- 5,191,528	3-2-1993	Laster, et al.	
		US- 5,385,492	11-15-1994	Dragoset, Jr.	
		US- 5,550,788	8-27-1998	Allen	
		US- 5,774,417	6-30-1998	Corrigan, et al.	
		US- 6,021,090	2-1-2000	Gaiser, et al.	
		US- 6,049,507	4-11-2000	Allen	
		US- 6,101,448	8-8-2000	Ikelle, et al.	
		US- 6,151,558	11-21-2000	Allen	
		US- 6,292,754	9-18-2001	Thomsen	
		US- 6,314,371	11-6-2001	Monk	
		US- 6,215,499	4-10-2001	Neff, et al.	
		US- 6,141,622	10-31-2000	Keller, et al.	
		US- 6,012,018	1-4-2000	Hornbuckle	

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/SH/ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓		US-5,930,730	7-27-1989	Marfurt, et al.	
		US- 5,671,344	9-23-1997	Stark	
		US- 5,432,895	7-11-1995	Myers	
		US- 4,458,339	7-3-1984	Wason	
		US- 2005/0105391			
		US- 6,977,867	12-20-2005	Chamberlain	
		US- 2005/0246137			
		US- 6,934,219	8-23-2005	Burkholder	
		US- 2005/024137			
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

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